

PATENT COOPERATION TREATY

From the
INTERNATIONAL SEARCHING AUTHORITY

To:
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WRITTEN OPINION OF THE INTERNATIONAL SEARCHING AUTHORITY

(PCT Rule 43bis.1)

Date of mailing
(day/month/year)

08 JUL 2005

FOR FURTHER ACTION

See paragraph 2 below

Applicant's or agent's file reference

416588002WO

International application No.

International filing date (day/month/year)

Priority date (day/month/year)

PCT/US05/05517

18 February 2005 (18.02.2005)

20 February 2004 (20.02.2004)

International Patent Classification (IPC) or both national classification and IPC

IPC(7): H04M 3/42; H04B 1/38 and US Cl.: 455/566;414.1

Applicant

SNAPIN

1. This opinion contains indications relating to the following items:

- ☒ Box No. I Basis of the opinion
- ☐ Box No. II Priority
- ☐ Box No. III Non-establishment of opinion with regard to novelty, inventive step and industrial applicability
- ☐ Box No. IV Lack of unity of invention
- ☒ Box No. V Reasoned statement under Rule 43bis.1(a)(i) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement
- ☐ Box No. VI Certain documents cited
- ☐ Box No. VII Certain defects in the international application
- ☐ Box No. VIII Certain observations on the international application

2. FURTHER ACTION

If a demand for international preliminary examination is made, this opinion will be considered to be a written opinion of the International Preliminary Examining Authority ("IPEA") except that this does not apply where the applicant chooses an Authority other than this one to be the IPEA and the chosen IPEA has notified the International Bureau under Rule 66.1bis(b) that written opinions of this International Searching Authority will not be so considered.

If this opinion is, as provided above, considered to be a written opinion of the IPEA, the applicant is invited to submit to the IPEA a written reply together, where appropriate, with amendments, before the expiration of 3 months from the date of mailing of Form PCT/ISA/220 or before the expiration of 22 months from the priority date, whichever expires later.

For further options, see Form PCT/ISA/220.

3. For further details, see notes to Form PCT/ISA/220.

Name and mailing address of the ISA/ US

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WRITTEN OPINION OF THE
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International application No.

PCT/US05/05517

Box No. I Basis of this opinion

1. With regard to the language, this opinion has been established on the basis of the international application in the language in which it was filed, unless otherwise indicated under this item.

☐ This opinion has been established on the basis of a translation from the original language into the following language _____, which is the language of a translation furnished for the purposes of international search (under Rules 12.3 and 23.1(b)).

2. With regard to any nucleotide and/or amino acid sequence disclosed in the international application and necessary to the claimed invention, this opinion has been established on the basis of:

a. type of material

☐ a sequence listing

☐ table(s) related to the sequence listing

b. format of material

☐ in written format

☐ in computer readable form

c. time of filing/furnishing

☐ contained in international application as filed.

☐ filed together with the international application in computer readable form.

☐ furnished subsequently to this Authority for the purposes of search.

3. ☐ In addition, in the case that more than one version or copy of a sequence listing and/or table relating thereto has been filed or furnished, the required statements that the information in the subsequent or additional copies is identical to that in the application as filed or does not go beyond the application as filed, as appropriate, were furnished.

4. Additional comments:

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Box No. V Reasoned statement under Rule 43 bis.1(a)(i) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement

1. Statement

Novelty (N)

Claims 1-29 YES

Claims NONE NO

Inventive step (IS)

Claims 1-29 YES

Claims NONE NO

Industrial applicability (IA)

Claims 1-29 YES

Claims NONE NO

2. Citations and explanations:

Please See Continuation Sheet

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Supplemental Box

In case the space in any of the preceding boxes is not sufficient.

V. 2. Citations and Explanations:

Claims 1-7 meet the criteria set out in PCT Article 33(2)-(3), because the prior art does not teach or fairly suggest a portable wireless telecommunication apparatus for exchanging communications with a wireless network, the apparatus comprising a display screen; at least one input device that includes a four-way joystick or keypad; a radio; memory; and a processor coupled to the display screen, input device, radio, and memory, wherein the processor is programmed to: automatically gather information from the wireless network; automatically display the gathered information on the display screen; automatically gather additional information from the wireless network; automatically update the display on the display screen with the gathered additional information without input from a user to request updating of the display; display multiple icons or commands associated with functions of at least one application executed on the wireless telecommunication apparatus, wherein the multiple icons or commands are displayed in a horizontal row or vertical column on the display screen; in response to user actuation of the four-way joystick or keypad and selection, highlight and select one of the multiple icons or commands; execute the function associated with the selected one of the multiple icons or commands; and wherein the wireless telecommunication apparatus includes an input button, coupled to the processor, for initiating a customer support call or local help function when the user actuates the input button.

Claims 8 and 9 meet the criteria set out in PCT Article 33(2)-(3), because the prior art does not teach or fairly suggest a method for navigating data screens on a mobile device, the method comprising: displaying a first screen, within a sequence of screens, containing data and multiple displayed elements for performing particular functions associated with the displayed screen; receiving user input to indicate one of the multiple displayed elements; selecting the one indicated element to perform a function corresponding with the one indicated element; performing the function corresponding with the one indicated element; after performing the function, displaying a next screen within the sequence of screens; and indicating for selection, within the next screen, the one element indicated and selected in the first screen.

Claims 10-13 meet the criteria set out in PCT Article 33(2)-(3), because the prior art does not teach or fairly suggest a computer-readable medium storing a display description for permitting a mobile device display to provide for navigating and selecting of multiple functions, the display comprising: a first screen portion displaying data; and a second screen portion displaying an action ribbon having multiple elements for performing particular functions associated with the displayed data, wherein: receiving navigation commands from at least one input device on the apparatus permits execution of the navigation commands when a user navigates to an area within the action ribbon of the second screen portion, and disabling the navigation commands when a user selects an area within the first screen portion, but not within the action ribbon of the second screen portion.

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In case the space in any of the preceding boxes is not sufficient.

Claims 14-20 meet the criteria set out in PCT Article 33(2)-(3), because the prior art does not teach or fairly suggest an apparatus for permitting a user to access customer support actions associated with wireless telecommunications service or with operation of a wireless mobile device, the apparatus comprising: button means on the mobile device for user-selection; means for receiving user-selection of the button means, the selection occurring in a particular manner based upon how the button means functions; and means for displaying, in response to the user-selection, an indication of customer support functions for the mobile device and for user selection for execution on the mobile device.

Claims 21-27 meet the criteria set out in PCT Article 33(2)-(3), because the prior art does not teach or fairly suggest a computer-readable medium whose contents cause at least one telecommunication mobile device to perform a method to provide automatic network access configuration for the mobile device, the method comprising: accessing a network using the mobile device; receiving at the mobile device and from the network a carrier identification associated with transmission of wireless signals over the network; looking up access configuration settings for the network based on the carrier identification, wherein the access configuration settings are locally stored in a database on the telecommunication mobile device; and automatically configuring the telecommunication mobile device for communication over the network using the locally stored access configuration settings.

Claims 28-29 meet the criteria set out in PCT Article 33(2)-(3), because the prior art does not teach or fairly suggest a method for automatically displaying information on a mobile telecommunications device, where the mobile telecommunications device exchanges communications with a wireless network, and wherein the wireless network is coupled to a server that has access to wireless subscriber information, the method comprising: automatically gathering information from the wireless network, wherein the information is not, or is in addition to, wireless signal strength and network status; automatically providing the gathered information to the mobile telecommunications device so that the gathered information may be readily perceived by a wireless subscriber associated with the mobile telecommunications device; automatically gathering additional information from the wireless network, wherein the additional information includes information associated with an account of the wireless subscriber; and automatically providing the additional information to the mobile telecommunications device so that the additional information may be readily perceived by the wireless subscriber without input from the wireless subscriber requesting the additional information.